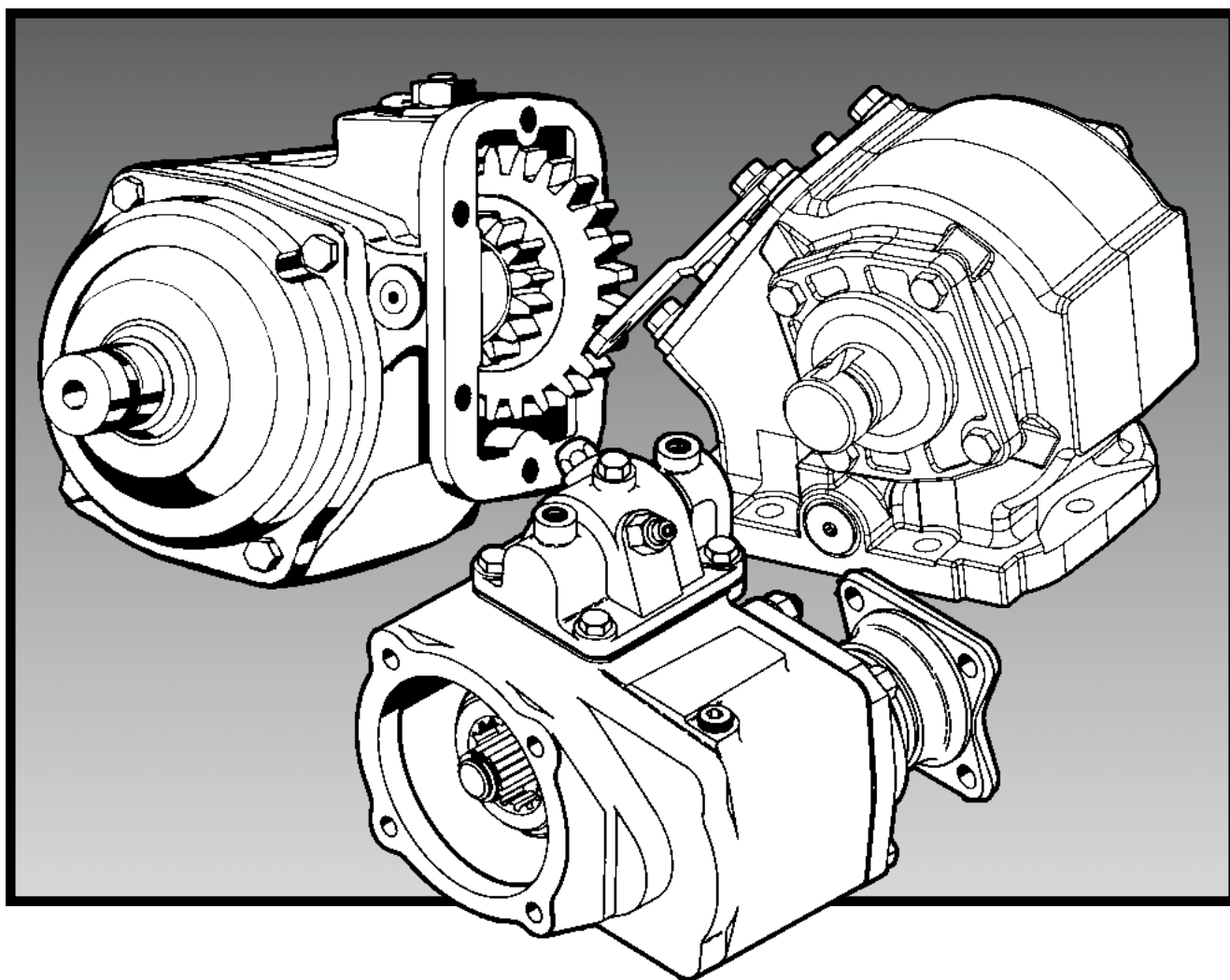


CHELSEA[®]

Bulletin HY25-2340-M1/US

Parts List 340 Series

Effective: March 15, 2002
Supersedes: P410-340 Dated June 1995





WARNING

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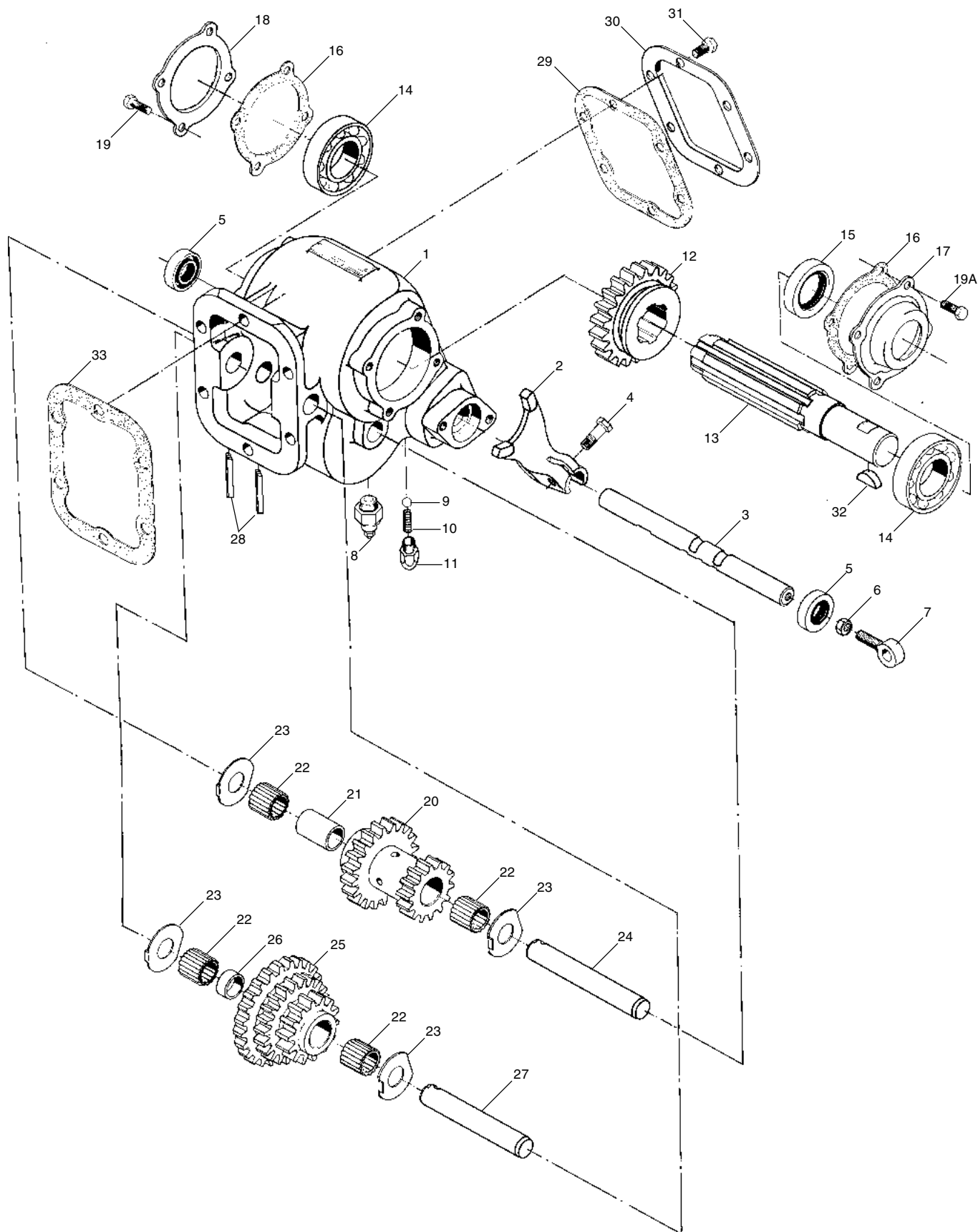
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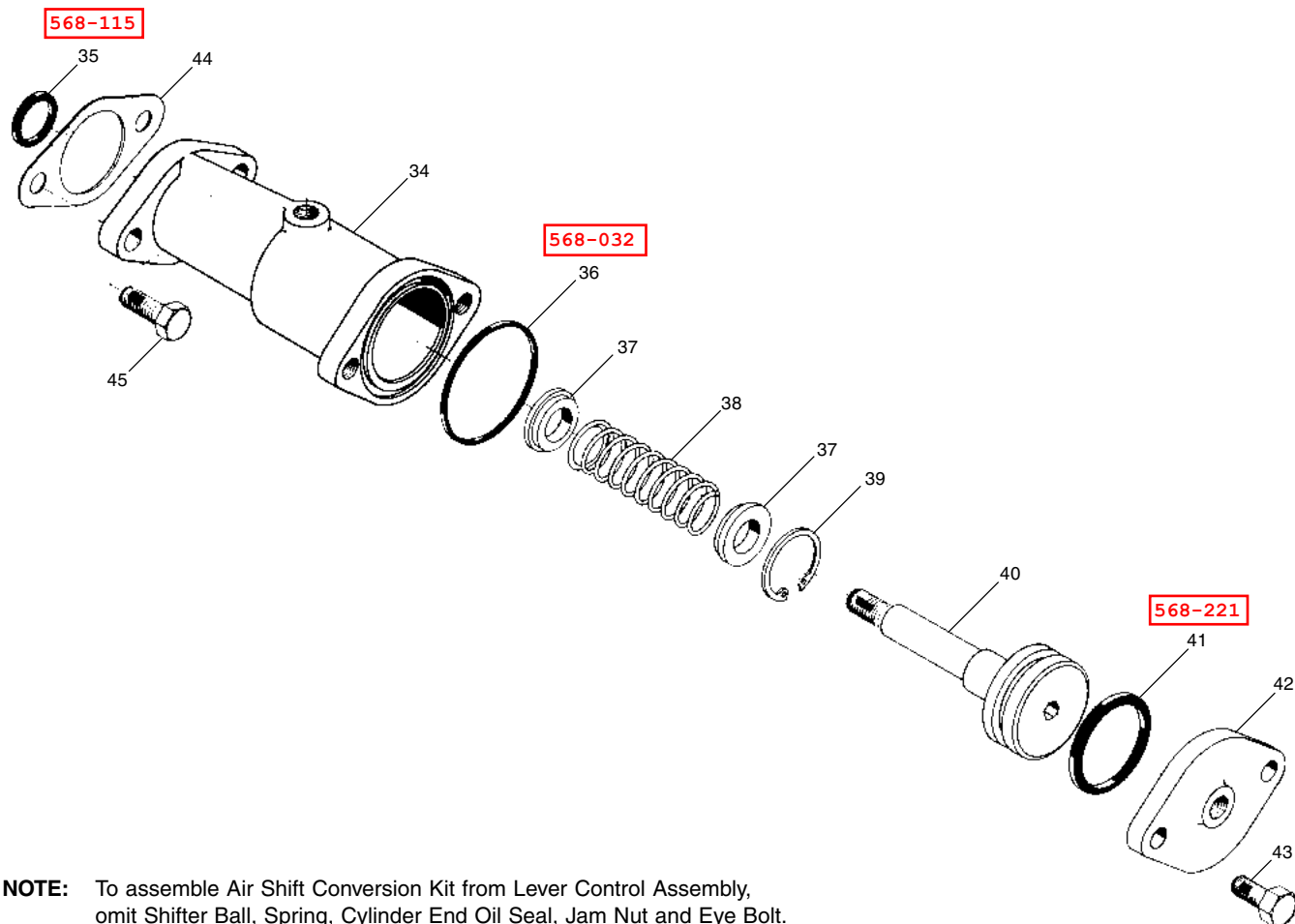


Bill of Materials**Power Take-Off****340 Series**

| Item | Part Number | Description | Quantity |
|------|------------------------|---|----------|
| 1 | 1-P-384 | Housing, Standard Mount | 1 |
| | 1-P-502 | Housing, Deep Mount | 1 |
| 2 | 32-P-67 | Shifter Fork | 1 |
| 3 | 11-P-125 | Shifter Shaft | 1 |
| 4 | 379687-12 | Screw, Self-Locking Hex head (.375" - 16 x 1.25") | 2 |
| 5 | 28-P-207 | Oil Seal (1.375" Outside Diameter) | 2 |
| N.S. | 65-P-23 | Shifter Shaft Cover | 1 |
| N.S. | 378430-4 | Hex Head Capscrew (.312"-18 X .50") | 2 |
| 6 | 500381-3 | Jam Nut (.375" - 24) | 1 |
| 7 | 36-P-1 | Eye Bolt | 1 |
| 8 | 379639 | Indicator Switch | 1 |
| 9 | 378002 | Shifter Ball (.437" Diameter) | 1 |
| 10 | 37-P-41 | Shifter Spring | 1 |
| 11 | 378554 | Spring Cap | 1 |
| 12 | 2-P-558 | Gear, Output (27 Teeth) | 1 |
| 13 | 3-P-763 | Driveshaft, Output | 1 |
| 14 | 550010 | Ball Bearing | 2 |
| 15 | 28-P-224 | Oil Seal (2.062" Outside Diameter) | 1 |
| 16 | 22-P-71 | Bearing Cap Gasket | 2 |
| 17 | 21-P-641 | Bearing Cap, Output | 1 |
| 18 | 21-P-46 | Bearing Cap, Closed End | 1 |
| 19 | 378430-8 | Screw, Self-Locking Hex Head (.312"-18 x .750") | 4 |
| 19A | 378430-10 | Screw, Self-Locking Hex Head (.312"-18 x 1.00") | 4 |
| 20 | 33-P-69 | Gear, Reverse Idler (20-14 Teeth) | 1 |
| 21 | 14-P-33 | Spacer, Roller Bearing, Reverse Idler (1.421" Diameter) | 1 |
| 22 | 550890 | Roller Bearing | 4 |
| 23 | 31-P-80 | Thrust Washer | 4 |
| 24 | 39-P-3 | Shaft, Reverse Idler (5.375" Long) | 1 |
| 25 | See Chart Pg. 4 | Gear, Input | 1 |
| 26 | 14-P-32 | Spacer, Roller Bearing, Input Idler (.375" Diameter) | 1 |
| 27 | 9-P-60 | Shaft, Input Idler (4.875" Long) | 1 |
| 28 | 500597-18 | Roll Pin | 2 |
| 29 | 35-P-59 | Cover Gasket (.032") | 1 |
| 30 | 34-P-16 | Cover | 1 |
| 31 | 378431-4 | Screw, Self-Locking Hex Head (.375" - 16 x .500") | 6 |
| 32 | 500007-29 | Woodruff Key (.312" x 1.062") | 1 |
| | | Loose Parts | |
| | 328948-6X | Gasket & Installation Instructions | 1 |
| 33 | 35-P-9-1 | Gasket, Housing (.010") | A.R. |
| | 35-P-9-2 | Gasket, Housing (.020") | A.R. |
| | | P.T.O. Mounting Stud Kits | |
| N.S. | 7170-1X | Stud Kit (340X) | 1 |
| N.S. | 7-A-140 | P.T.O. Spacer (Standard Mount Only) (340X) | 1 |
| N.S. | 328170-95X | Stud Kit (340S & 340Z) | 1 |
| | | Service Kits | |
| | 328356-24X | Gasket & Seal Kit | 1 |
| | 328356-27X | Seal Kit, Air Shift Cover | 1 |
| | 328751-1X | Wire or Lever Installation Kit | 1 |

N.S. — Not Shown

A.R.—As Required

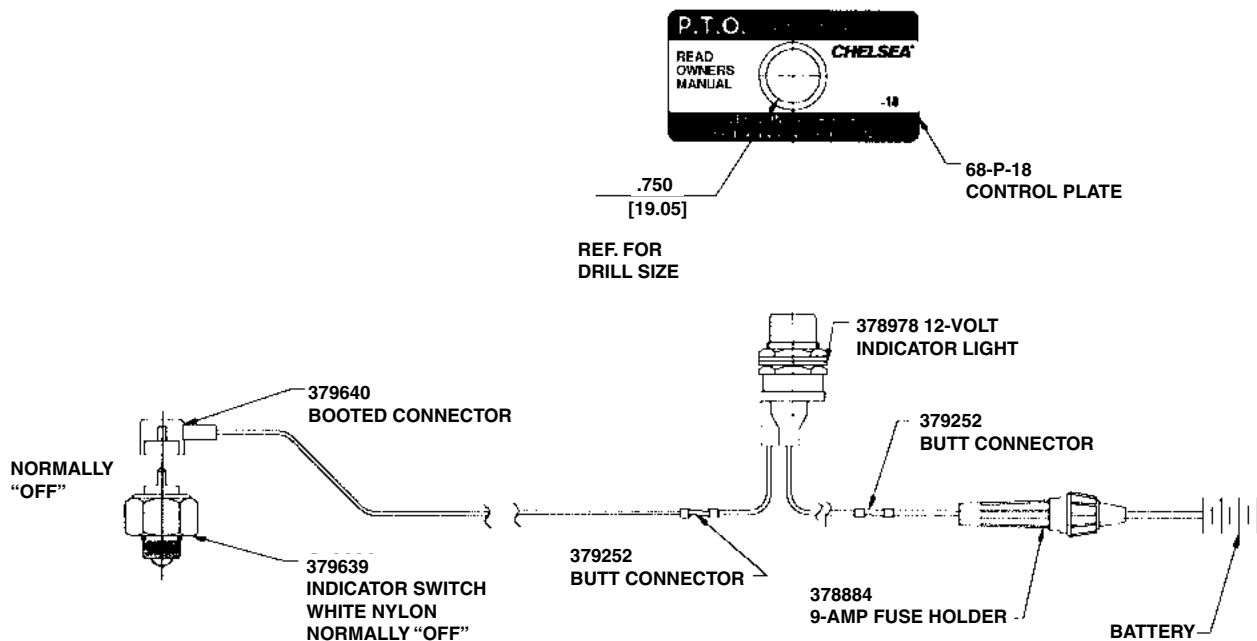


NOTE: To assemble Air Shift Conversion Kit from Lever Control Assembly, omit Shifter Ball, Spring, Cylinder End Oil Seal, Jam Nut and Eye Bolt.

| Item | Part Number | Description | Quantity |
|------|-------------------|---|----------|
| | 328911X | Air Shift Cover Assembly (G4 & A5) | |
| | 328912X | Air Shift Cover Assembly (A4 & G5) | |
| | | (Includes Items 34-43) | |
| | 328819X | Air Shift Sub Assembly | |
| 34 | 65-P-15 | Cylinder | 1 |
| 35 | 28-P-71 | O-Ring (.875" Outside Diameter) | 1 |
| 36 | 28-P-250 | O-Ring (2.0" Outside Diameter) | 1 |
| 37 | 379102 | Spring Retainer Washer | 2 |
| 38 | 37-P-50 | Spring | 1 |
| 39 | 379103 | Retainer Ring | 1 |
| 40 | 66-P-11 | Piston | 1 |
| 41 | 28-P-61 | O-Ring (1.825" Outside Diameter) | 1 |
| 42 | 34-P-81 | Cylinder Cap | 1 |
| 43 | 378430-9 | Screw, Self-Locking Hex Head (.312" - 18 x .875") | 2 |
| 44 | 35-P-14 | Cylinder Mounting Gasket | 1 |
| 45 | 378430-9 | Screw, Self-Locking Hex Head (.312" - 18 x .875") | 2 |
| N.S. | 328388-40X | Air Shift Installation Kit | 1 |
| | | Conversion Kit | |
| | 382390-92X | Lever to Air (All Assemblies) | 1 |

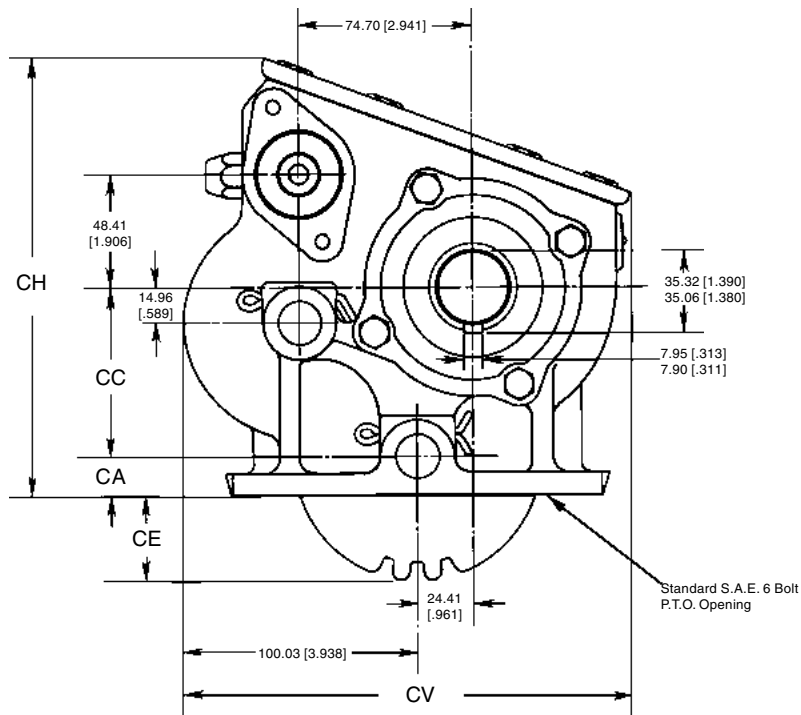
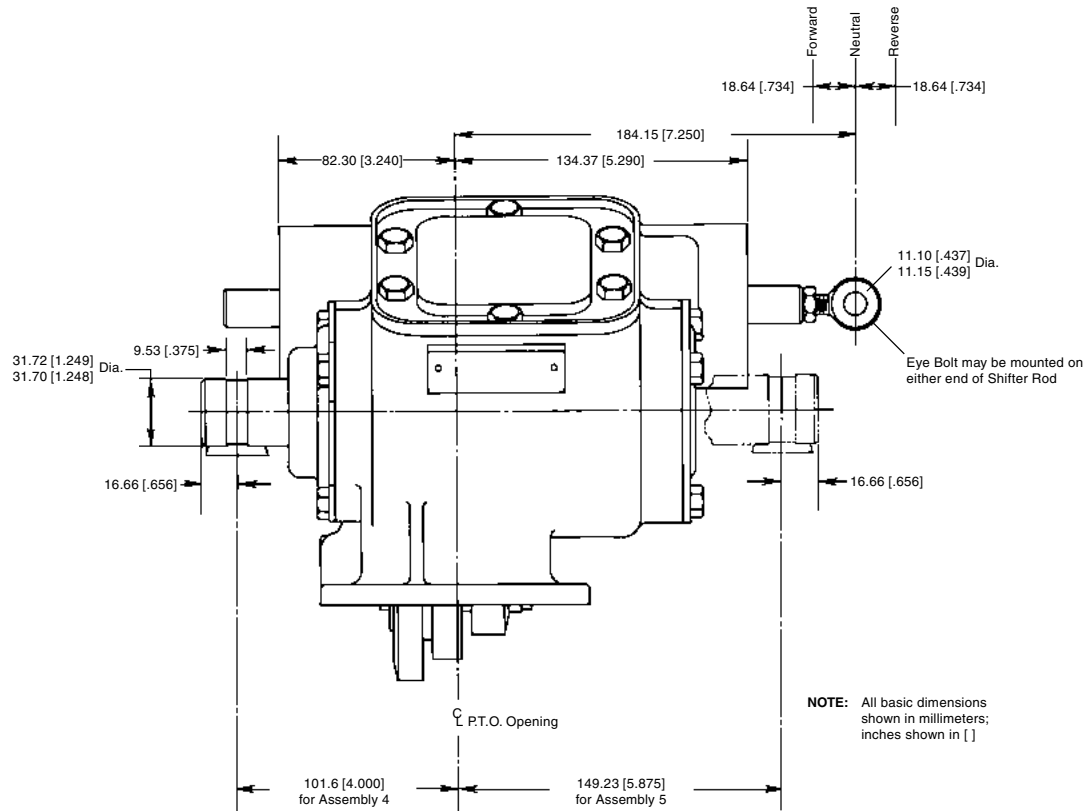
N.S. — Not Shown

Lever Control Indicator Light Installation Kit
328751-1X

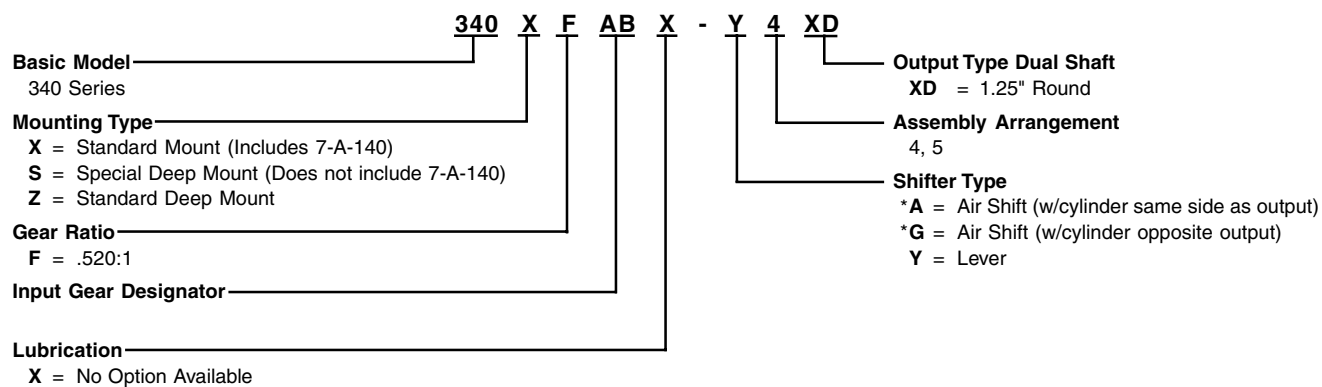


Input Gear Chart

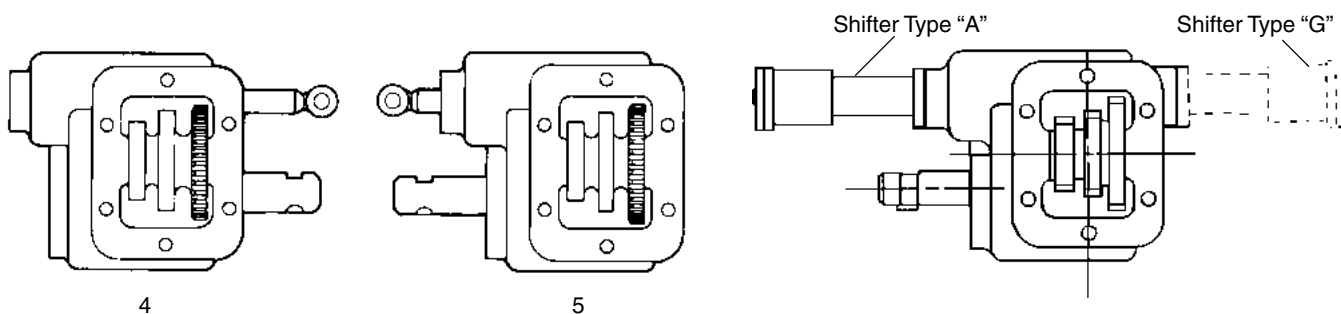
| P.T.O. Model | Input Gear | Number Teeth | Transmission Applications | Helix Angle |
|--------------|------------|--------------|--|-------------|
| 340*FAB | 5-P-579 | 19-21-14 | Universal 5-Pitch | Spur |
| 340*FAH | 5-P-581 | 23-21-24 | Universal 6-Pitch | Spur |
| 340*FAP | 5-P-845 | 21-21-14 | Spicer CM-4954A & D, ES-52-5A & D | Left Hand |
| 340*FAR | 5-P-582 | 21-21-14 | Spicer CM60, 6000 Series | Left Hand |
| 340*FBG | 5-P-580 | 23-21-14 | Spicer 5000 Series & ES60-5A, C & D | Left Hand |
| 340*FBQ | 5-P-720 | 25-21-14 | Chev. CH465, SM465 & Spicer ES42-5A & 5D | Left Hand |
| 340*FDA | 5-P-634 | 23-21-14 | Mack 2080 | Spur |
| 340*FDB | 5-P-803 | 39-21-14 | Fuller T-8607A & B, T-1106, T-1107A & B | Spur |
| 340*FDJ | 5-P-921 | 28-21-14 | Renault BDSL-2142 | Left Hand |
| 340*FDU | 5-P-883 | 28-21-14 | Fuller FS-5506, 7206A & 8206A | Left Hand |
| 340*FEC | 5-P-896 | 36-21-14 | Zed F S5-42 Close Ratio | Left Hand |
| 340*FED | 5-P-897 | 34-21-14 | Zed F S5-42 Wide Ratio | Left Hand |
| 340*FES | 5-P-884 | 22-21-14 | Fuller FS-5106A, FS-6005A | Left Hand |
| 340*FET | 5-P-948 | 23-21-14 | Fuller FS-6005B, FS-6105B | Left Hand |
| 340*FEW | 5-P-886 | 20-21-14 | Fuller FS-3005A & B & 4005 | Left Hand |
| 340*FFN | 5-P-931 | 26-21-14 | Spicer ES52-7A, ESO65-7A | Left Hand |
| 340*FFP | 5-P-992 | 23-21-14 | Renault G405, G406 | Left Hand |
| 340*FJW | 5-P-1404 | 23-21-14 | Eaton | Left Hand |
| 340*FHY | 5-P-1245 | 26-21-14 | | Left Hand |
| 340*FJU | 5-P-1377 | 25-21-14 | | Left Hand |
| 340SFDM | 5-P-726 | 16-21-14 | CL-450, CL-455 | Left Hand |
| 340SFDMX | 5-P-727 | 17-21-14 | CL-451 | Left Hand |



| P.T.O. Series | CA | CC | CE | CH | CV |
|------------------------|------|-------|-------|-------|-------|
| 340X (with 7-A-140) | .798 | 2.843 | 1.280 | 7.515 | 7.562 |
| 340S (without 7-A-140) | .658 | 2.843 | 1.420 | 7.375 | 7.562 |
| 340Z | .573 | 2.843 | 1.505 | 7.290 | 7.562 |

Model Number Designation**340 Series**

* Remove Ball & Spring (Items #9 & 10) when air shift cylinder is added to unit. Neutral spring in air cylinder does not develop enough pressure to overcome Spring & Poppet ball, in poppet cap

Assembly Arrangements**Specifications**

| | |
|--|---------------|
| Torque Rating | 200 Lbs. Ft.* |
| Horsepower Rating 500 RPM of Output Shaft 1000 RPM of Output Shaft | 19* 38 * |
| Approximate Weight | 38 Lbs. |

* Based on Intermittent Service

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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2. Payment: Payment shall be made by Buyer net 30 days from the date of delivery of the items purchased hereunder. Amounts not timely paid shall bear interest at the maximum rate permitted by law for each month or portion thereof that the Buyer is late in making payment. Any claims by Buyer for omissions or shortages in a shipment shall be waived unless Seller receives notice thereof within 30 days after Buyer's receipt of the shipment.

3. Delivery: Unless otherwise provided on the face hereof, delivery shall be made F.O.B. Seller's plant. Regardless of the method of delivery, however, risk of loss shall pass to Buyer upon Seller's delivery to a carrier. Any delivery dates shown are approximate only and Seller shall have no liability for any delays in delivery.

4. Warranty: Seller warrants that the items sold hereunder shall be free from defects in material or workmanship for a period of:

(A) All Power Take-Off units one (1) year from date of installation.

(B) Except 267, 277, 278, 242, 244, 245, 250, 251 and 859 series two (2) years from date of installation. **THIS WARRANTY COMPRISES THE SOLE AND ENTIRE WARRANTY PERTAINING TO ITEMS PROVIDED HEREUNDER. SELLER MAKES NO OTHER WARRANTY, GUARANTEE, OR REPRESENTATION OF ANY KIND WHATSOEVER. ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO, MERCHANTABILITY AND FITNESS FOR PURPOSE, WHETHER EXPRESS, IMPLIED, OR ARISING BY OPERATION OF LAW, TRADE USAGE, OR COURSE OF DEALING ARE HEREBY DISCLAIMED. NOTWITHSTANDING THE FOREGOING, THERE ARE NO WARRANTIES WHATSOEVER ON ITEMS BUILT OR ACQUIRED WHOLLY OR PARTIALLY, TO BUYER'S DESIGNS OR SPECIFICATIONS.**

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6. Changes, Reschedules and Cancellations: Buyer may request to modify the designs or specifications for the items sold hereunder as well as the quantities and delivery dates thereof, or may request to cancel all or part of this order, however, no such requested modification or cancellation shall become part of the contract between Buyer and Seller unless accepted by Seller in a written amendment to this Agreement. Acceptance of any such requested modification or cancellation shall be at Seller's discretion, and shall be upon such terms and conditions as Seller may require.

7. Special Tooling: A tooling charge may be imposed for any special tooling, including without limitation, dies, fixtures, molds and patterns, acquired to manufacture items sold pursuant to this contract. Such special tooling shall be and remain Seller's property notwithstanding payment of any charges by Buyer. In no event will Buyer acquire any interest in apparatus belonging to Seller which is utilized in the manufacture of the items sold hereunder, even if such apparatus has been specially converted or adapted for such manufacture and notwithstanding any charges paid by Buyer. Unless otherwise agreed, Seller shall

have the right to alter, discard or otherwise dispose of any special tooling or other property in its sole discretion at any time.

8. Buyer's Property: Any designs, tools, patterns, materials, drawings, confidential information or equipment furnished by Buyer or any other items which become Buyer's property, may be considered obsolete and may be destroyed by Seller after two (2) consecutive years have elapsed without Buyer placing an order for the items which are manufactured using such property. Seller shall not be responsible for any loss or damage to such property while it is in Seller's possession or control.

9. Taxes: Unless otherwise indicated on the face hereof, all prices and charges are exclusive of excise, sales, use, property, occupational or like taxes which may be imposed by any taxing authority upon the manufacture, sale or delivery of the items sold hereunder. If any such taxes must be paid by Seller or if Seller is liable for the collection of such tax, the amount thereof shall be in addition to the amounts for the items sold. Buyer agrees to pay all such taxes or to reimburse Seller therefore upon receipt of its invoice. If Buyer claims exemption from any sales, use or other tax imposed by any taxing authority, Buyer shall save Seller harmless from and against any such tax, together with any interest or penalties thereon which may be assessed if the items are held to be taxable.

10. Indemnity For Infringement of Intellectual Property Rights: Seller shall have no liability for infringement of any patents, trademarks, copyrights, trade dress, trade secrets or similar rights except as provided in this Part 10. Seller will defend and indemnify Buyer against allegations of infringement of U.S. Patents, U.S. Trademarks, copyrights, trade dress and trade secrets (hereinafter 'Intellectual Property Rights'). Seller will defend at its expense and will pay the cost of any settlement or damages awarded in an action brought against Buyer based on an allegation that an item sold pursuant to this contract infringes the Intellectual Property Rights of a third party. Seller's obligation to defend and indemnify Buyer is contingent on Buyer notifying Seller within ten (10) days after Buyer becomes aware of such allegations of infringement, and Seller having sole control over the defense of any allegations or actions including all negotiations for settlement or compromise. If an item sold hereunder is subject to a claim that it infringes the Intellectual Property Rights of a third party, Seller may, at its sole expense and option, procure for Buyer the right to continue using said item, replace or modify said item so as to make it noninfringing, or offer to accept return of said item and return the purchase price less a reasonable allowance for depreciation. Notwithstanding the foregoing, Seller shall have no liability for claims of infringement based on information provided by Buyer, or directed to items delivered hereunder for which the designs are specified in whole or part by Buyer, or infringements resulting from the modification, combination or use in a system of any item sold hereunder. The foregoing provisions of this Part 10 shall constitute Seller's sole and exclusive liability and Buyer's sole and exclusive remedy for infringement of Intellectual Property Rights.

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12. Entire Agreement/Governing Law: The terms and conditions set forth herein, together with any amendments, modifications and any different terms or conditions expressly accepted by Seller in writing, shall constitute the entire Agreement concerning the items sold, and there are no oral or other representations or agreements which pertain thereto. This Agreement shall be governed in all respects by the law of the State of Ohio. No actions arising out of the sale of the items sold hereunder or this Agreement may be brought by either party more than two (2) years after the cause of action accrues.

9/01-P



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